



## IDEM's Surface Water Quality Assessment Program

### Total Maximum Daily Load (TMDL) Sampling Program

#### Program Objective

The objective of this program is to determine the ambient levels of pollutants and possible sources of these pollutants in surface waters of the state in order to develop Total Maximum Daily Loads (TMDLs) to achieve state water quality standards. Section 303(d) of the Clean Water Act requires the development of TMDLs for waters that the State has identified as being impaired. These TMDLs must be established at levels necessary to attain and maintain the applicable water quality standards for the various designated uses. In order to implement the TMDL Sampling Program, IDEM will identify parameters of concern in order to determine the extent and magnitude of the impairment within a given waterbody, and develop sampling strategies that will ensure the collection of surface water parameters utilizing appropriate sampling techniques. Waterbodies, parameters of concern and site selection is provided by the TMDL Section of the Office of Water Quality.

#### Program Description

Media:	Surface Water and Sediments: rivers, streams and lakes.
Study Area:	Statewide, select impaired waterbodies and watersheds in a major river basin.
Site Selection Type:	Impaired waterbodies from the 303(d) list in 5 major river basins.
Sampling Sites:	To be determined by the specific parameter of impairment and locations of impaired waterbodies in a watershed.
Sampling Frequency:	To be determined by the specific parameter of impairment and locations of impaired waterbodies in a watershed.
Data Collected:	Field Data: pH, temperature, dissolved oxygen, specific conductance, turbidity. Water Chemistry Data: Various chemical parameters of concern. Bacteriological Data: <i>E. coli</i>

#### Participants

The TMDL Sampling Program is operated through Assessment Branch in coordination with staff from the Watershed Planning Branch. Primarily, the TMDL Sampling Program will be responsible for the surface water sampling and field observation to support TMDL development and evaluation.

#### Program Products

- < Data and field observation for TMDL development.

## Technical Notes

- < Test methods and data collection in accordance with sampling and analysis workplan, with IDEM's QAPP for surface water programs, and relevant SOP's.

## Contact Information

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<p><b>IDEM Information:</b> (317) 233-8603 or 800-451-6027 800-743-3333(TDD) toll-free for Indiana residents <a href="http://www.IN.gov/idem/water/">www.IN.gov/idem/water/</a></p> <p><b>Report Environmental Emergencies:</b> (888) 233-7745</p> <p><b>Confidential Technical Assistance:</b> (800) 988-7901</p> <p><b>Pollution Compliant:</b> <a href="http://www.IN.gov/idem/pollutioncomplaint/">www.IN.gov/idem/pollutioncomplaint/</a></p> <p><b>Questions and Comments:</b> <a href="http://www.IN.gov/idem/contact/questions.html">www.IN.gov/idem/contact/questions.html</a></p>	<p><b><u>For More Information on IDEM's Office of Quality...</u></b></p> <p><b>Assessment Branch</b> (Surface water quality: river, streams and lakes) Shadeland Office, Indianapolis (317) 308-3173</p> <p><b>Compliance Branch</b> (facilities assistance, inspections and compliance) Indiana Government Center North, Indianapolis (317) 232-6770</p> <p><b>Drinking Water Branch</b> (Public water supply and ground water protection) Shadeland Office, Indianapolis (317) 308-3280</p> <p><b>Permitting Branch</b> (NPDES permits) Indiana Government Center North, Indianapolis (317) 232-8675</p> <p><b>Watershed Planning Branch</b> (Rules development, wetlands, TMDL, watershed management) Indiana Government Center North, Indianapolis (317) 233-8488</p>
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